

Abstract Of the Invention

Fibrosis, in at least one layer of a vessel wall, can be used to strengthen a vessel wall. Fibrosis can be induced by irradiating a vessel wall with an energy source, or by inducing injury to the vessel wall. In addition to an energy source, photoactivatable agents can also be used such that the energy activates the photoactivatable agent to cause a thickening of the vessel wall. For example, ultra-violet radiation can be used alone or in conjunction with a photoactivatable agent, such as a psoralen compound, to increase the adventitial volume of a blood vessel. Upon exposure to radiation, preferably ultra-violet A radiation, the photoactivatable agent becomes activated and causes compositional and/or structural changes in the adventitia. The invention provides a method of treating aneurysms by thickening the adventitial layer of the vessel wall at the site of the aneurysm.

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